

Attachment 1

<u>Title</u>	<u>Serial No./ Publication No.</u>	<u>Filing Date/ Publication Date</u>
Detection System For Power Equipment	09/929,426 2002-0017176-A1	August 13, 2001 February 14, 2002
Contact Detection System For Power Equipment	60/225,200	August 14, 2000
Apparatus And Method For Detecting Dangerous Conditions In Power Equipment	09/929,221 2002-0017336-A1	August 13, 2001 February 14, 2002
Apparatus And Method For Detecting Dangerous Conditions In Power Equipment	60/225,211	August 14, 2000
Firing Subsystem For Use In A Fast-Acting Safety System	09/929,240 2002-0020263-A1	August 13, 2001 February 21, 2002
Firing Subsystem For Use In A Fast-Acting Safety System	60/225,056	August 14, 2000
Spring-Biased Brake Mechanism For Power Equipment	09/929,227 2002-0020271-A1	August 13, 2001 February 21, 2002
Spring-Biased Brake Mechanism For Power Equipment	60/225,170	August 14, 2000
Brake Mechanism For Power Equipment	09/929,241 2002-0017180-A1	August 13, 2001 February 14, 2002
Brake Mechanism For Power Equipment	60/225,169	August 14, 2000
Retraction System For Use In Power Equipment	09/929,242 2002-0017181-A1	August 13, 2001 February 14, 2002
Retraction System For Use In Power Equipment	60/225,089	August 14, 2000
Replaceable Brake Mechanism For Power Equipment	09/929,238 2002-0020261-A1	August 13, 2001 February 21, 2002
Replaceable Brake Mechanism For Power Equipment	60/225,201	August 14, 2000
Brake Positioning System	09/929,244 2002-0017182-A1	August 13, 2001 February 14, 2002
Brake Positioning System	60/225,212	August 14, 2000
Logic Control For Fast-Acting Safety System	09/929,237 2002-0020262-A1	August 13, 2001 February 21, 2002
Logic Control For Fast-Acting Safety System	60/225,059	August 14, 2000

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Serial No. 09/929,240

<u>Title</u>	<u>Serial No./ Publication No.</u>	<u>Filing Date/ Publication Date</u>
Motion Detecting System For Use In A Safety System For Power Equipment	09/928,234 2002-0017178-A1	August 13, 2001 February 14, 2002
Motion Detecting System For Use In A Safety System For Power Equipment	60/225,094	August 14, 2000
Translation Stop For Use In Power Equipment	09/929,425 2002-0017175-A1	August 13, 2001 February 14, 2002
Translation Stop For Use In Power Equipment	60/225,210	August 14, 2000
Translation Stop For Use In Power Equipment	60/233,459	September 18, 2000
Cutting Tool Safety System	09/929,226 2002-0017183-A1	August 13, 2001 February 14, 2002
Cutting Tool Safety System	60/225,206	August 14, 2000
Table Saw With Improved Safety System	09/929,235 2002-0017184-A1	August 13, 2001 February 14, 2002
Table Saw With Improved Safety System	60/225,058	August 14, 2000
Miter Saw With Improved Safety System	09/929,238 2002-0017179-A1	August 13, 2001 February 14, 2002
Miter Saw With Improved Safety System	60/225,057	August 14, 2000
Fast Acting Safety Stop	60/157,340	October 1, 1999
Safety Systems For Power Equipment	09/676,190	September 29, 2000
Fast-Acting Safety Stop (Taiwan)	143466	February 25, 2002
Fast-Acting Safety Stop	60/182,866	February 16, 2000
Safety Systems for Power Equipment (PCT)	PCT/US00/26812	September 29, 2000
Miter Saw With Improved Safety System	10/052,806 2002-0059855-A1	January 16, 2002 May 23, 2002
Miter Saw With Improved Safety System	60/270,942	February 22, 2001
Contact Detection System For Power Equipment	10/053,390 2002-0069734-A1	January 16, 2002 June 13, 2002
Contact Detection System For Power Equipment	60/270,011	February 20, 2001

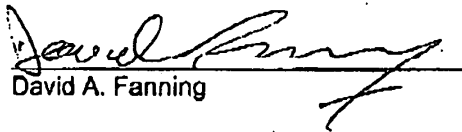
<u>Title</u>	<u>Serial No./ Publication No.</u>	<u>Filing Date/ Publication Date</u>
Power Saw With Improved Safety System	10/052,273 2002-0059853-A1	January 16, 2002 May 23, 2002
Power Saw With Improved Safety System	60/270,841	February 22, 2001
Table Saw With Improved Safety System	10/052,705 2002-0056350-A1	January 16, 2002 May 16, 2002
Table Saw With Improved Safety System	60/273,177	March 2, 2001
Miter Saw With Improved Safety System	10/052,274 2002-0059854-A1	January 16, 2002 May 23, 2002
Miter Saw With Improved Safety System	60/273,178	March 2, 2001
Miter Saw With Improved Safety System	10/050,085 2002-0056349-A1	January 14, 2002 May 16, 2002
Miter Saw With Improved Safety System	60/273,802	March 6, 2001
Miter Saw With Improved Safety System	10/047,066 2002-0056348-A1	January 14, 2002 May 16, 2002
Miter Saw With Improved Safety System	60/275,594	March 13, 2001
Safety Systems For Power Equipment	60/275,595	March 13, 2001
Miter Saw With Improved Safety System	10/051,782 2002-0066346-A1	January 15, 2002 June 6, 2002
Miter Saw With Improved Safety System	60/279,313	March 27, 2001
Safety Systems for Power Equipment	10/100,211 2002-0170399-A1	March 13, 2002 November 21, 2002
Safety Systems For Power Equipment	60/275,583	March 13, 2001
Router With Improved Safety System	10/197,975 2003-0015253-A1	July 18, 2002 January 23, 2003
Router With Improved Safety System	60/306,202	July 18, 2001
Translation Stop For Use In Power Equipment	09/955,418 2002-0020265-A1	September 17, 2001 February 21, 2002
Translation Stop For Use In Power Equipment	60/292,081	May 17, 2001
Band Saw With Improved Safety System	10/146,527 2002-0170400-A1	May 15, 2002 November 21, 2002
Band Saw With Improved Safety System	60/292,100	May 17, 2001

<u>Title</u>	<u>Serial No./ Publication No.</u>	<u>Filing Date/ Publication Date</u>
Apparatus And Method For Detecting Dangerous Conditions In Power Equipment	10/172,553 2002-0190581-A1	June 13, 2002 December 19, 2002
Apparatus And Method For Detecting Dangerous Conditions In Power Equipment	60/298,207	June 13, 2001
Discrete Proximity Detection System	10/189,031 2003-0002942-A1	July 2, 2002 January 2, 2003
Discrete Proximity Detection System	60/302,937	July 2, 2001
Actuators for Use in Fast-Acting Safety Systems	10/189,027 2003-0005588-A1	July 2, 2002 January 9, 2003
Actuators For Use In Fast-Acting Safety Systems	60/302,916	July 3, 2001
Actuators For Use In Fast-Acting Safety Systems	10/205,164 2003-0020336-A1	July 25, 2002 January 30, 2003
Actuators For Use In Fast-Acting Safety Systems	60/307,758	July 25, 2001
Safety Systems for Power Equipment	10/215,929 2003-0037651	August 9, 2002 February 27, 2003
Safety Systems For Power Equipment	60/312,141	August 13, 2001
Safety Systems For Band Saws	10/202,928 2003 0019311-A1	July 25, 2002 January 30, 2003
Safety Systems For Band Saws	60/308,492	July 27, 2001
Router With Improved Safety System	10/251,576 2003-0056853-A1	September 20, 2002 March 27, 2003
Router With Improved Safety System	60/323,975	September 21, 2001
Logic Control With Test Mode For Fast-Acting Safety System	10/243,042 2003-0058121-A1	September 13, 2002 March 27, 2003
Logic Control With Test Mode For Fast-Acting Safety System	60/324,729	September 24, 2001
Detection System for Power Equipment	10/292,607 2003-0090224-A1	November 12, 2002 May 15, 2003
Detection System For Power Equipment	60/335,970	November 13, 2001

<u>Title</u>	<u>Serial No./ Publication No.</u>	<u>Filing Date/ Publication Date</u>
Apparatus and Method for Detecting Dangerous Conditions in Power Equipment	10/345,630 2003-0131703-A1	January 15, 2003 July 17, 2003
Safety Systems For Power Equipment	60/340,989	January 16, 2002
Brake Pawls for Power Equipment	10/341,260 2003-0140749-A1	January 13, 2003 July 31, 2003
Brake Pawls For Power Equipment	60/351,797	January 25, 2002
Miter Saw With Improved Safety System	10/643,296	August 18, 2003
Miter Saw With Improved Safety System	60/406,138	August 27, 2002
Retraction System And Motor Position For Use With Safety Systems For Power Equipment	60/452,159	March 5, 2003
Table Saws With Safety Systems And Blade Retraction	60/496,660	August 20, 2003
Brake Cartridges For Power Equipment	60/486,574	August 20, 2003
Switch Box For Power Tools With Safety Systems	60/533,598	December 31, 2003
Motion Detection System For Use In A Safety System for Power Equipment	60/498,568	August 20, 2003
Improved Detection Systems For Power Equipment	60/533,791	December 31, 2003
Improved Fence For Table Saws	60/533,852	December 31, 2003
Improved Table Saws With Safety Systems	60/533,811	December 31, 2003
Brake Cartridges And Mounting Systems For Brake Cartridges	60/533,575	December 31, 2003
Improved Table Saws With Safety Systems and Systems to Mount and Index Attachments	60/540,377	January 29, 2004

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Date: July 7, 2004  
David A. Fanning

PTO/SB/21 (02-04)


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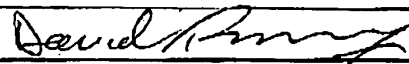
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<b>TRANSMITTAL FORM</b> (to be used for all correspondence after initial filing)	Application Number	09/929,240	
	Filing Date	August 13, 2001	
	First Named Inventor	Stephen F. Gass	
	Art Unit	3724	
	Examiner Name	Boyer D. Ashley	
Total Number of Pages in This Submission	37	Attorney Docket Number	SDY 303

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<input type="checkbox"/> Fee Attached	<input type="checkbox"/> Licensing-related Papers	<input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences
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<input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53		

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT	
Firm or Individual name	David Fanning, Esq., Reg. No. 33, 233 SD3, LLC
Signature	
Date	July 7, 2004

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Date	July 7, 2004

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**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Application of  
STEPHEN F. GASS, ANDREW L. JOHNSTON,  
JOEL F. JENSEN, SUNG H. KIM,  
DAVID A. FANNING, and ROBERT L.  
CHAMBERLAIN

Date: July 7, 2004

Serial No.: 09/929,240

Examiner Boyer D. Ashley

Filed: August 13, 2001

Group Art Unit 3724

For: FIRING SUBSYSTEM FOR USE IN A FAST-ACTING SAFETY SYSTEM

To: Commissioner for Patents  
Attention: Examiner Boyer D. Ashley  
Group Art Unit 3724  
P.O. Box 1450  
Alexandria, Virginia 22313-1450

**DECLARATION OF STEPHEN F. GASS**

I, Stephen F. Gass, declare as follows:

1. I am a named inventor in the above-identified application.
2. I am a member of applicant SD3, LLC.
3. In an Office Action mailed April 7, 2004, the Examiner rejected claims in the above-identified application under 35 U.S.C. §103(a) in light of various I am filing this declaration to traverse those rejections and to submit evidence concerning non-obviousness.
4. My educational background is in physics. In 1986 I earned a Bachelor of Science degree in physics from Oregon State University, and graduated summa cum laude. In 1990 I was awarded a Ph.D. degree in physics from the University of California San Diego.

Page 1- DECLARATION OF STEPHEN F. GASS  
Serial No. 09/929,240

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5. The U.S. Consumer Product Safety Commission, National Electronic Injury Surveillance System, Directorate for Epidemiology, reports that every year in the United States there are over 90,000 people severely injured with power saws. These are all severe injuries that require a visit to a hospital emergency room. About 10% of these injuries result in amputations. The number and severity of these injuries shows there is a long felt need for safer saws. Others have tried to solve this problem, as evidenced by the Yoneda patent cited by the Examiner. However, the continued high number of severe injuries shows that those attempts have failed. Saws constructed as required by the claims currently pending in the above-identified application have the potential to significantly reduce the severity of these injuries.

6. The technology which is the basis for saws constructed as required by applicant's currently pending claims has been recognized with at least the following awards:

- Chairman's Commendation. The U.S. Consumer Product Safety Commission awarded the technology a Chairman's Commendation for significant contributions to product safety. That award was reported nationally on CNN Headline News.
- Challenger's Award. At an International Woodworking Fair in Atlanta, Georgia, the technology won the Challenger's Award, which is the woodworking industry's highest honor. It recognizes the most innovative and technically advanced improvements to woodworking equipment.
- Popular Science – One of the 100 Best New Innovations. The magazine *Popular Science* identified the technology as one of the 100 best new innovations of 2002.

- Workbench Magazine – One of the Top 10 Tools for 2003. *Workbench* magazine included the saws incorporating the technology on its list of the top 10 innovative tools for 2003.

- Woodwork Institute of California Endorsement. The Woodwork Institute of California has endorsed the technology, stating:


As a Trade Association in the construction industry (representing over 250 manufacturers of architectural millwork with an excess of 4,000 employees, all of whom use saws of one type or another) we find your SawStop technology and its potential of eliminating or reducing worker injury of extreme significance. Generally, we would not endorse a commercial product; however the potential benefit to our members and their employees of implementing the SawStop technology on the tools used within our industry overrides such.

- Editor's Choice Award, Tools of the Trade. The magazine *Tools of the Trade* awarded the technology its 2001 Editor's Choice Award in recognition of its significance.

7. The technology that is the basis for the currently pending claims has also been the subject of extensive media coverage, including national coverage by CNN Headline News, by the television program NEXT@CNN, by the Associated Press, and by Paul Harvey on the ABC Radio Network. Numerous magazines have published reports about the technology saying it is "revolutionary," "unique" and "ingenious."

8. I hereby declare that all statements made herein of my own knowledge are true and all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application, any patent issuing thereon, or any patent to which this verified statement is directed.

Date: July 7, 2004

  
\_\_\_\_\_  
Stephen F. Gass

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Date: July 7, 2004

  
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Stephen F. Gass

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